CLAIMS

1. Method for adapting a document so as to make it
viewable on a terminal (11) having limited display
capabilities, which method includes the following steps
5   of :
-       determining (21) processing and display capabilities
        of the terminal,
-       converting (23) a page of a document into a graphic
        or semi-graphic format chosen on the basis of the
10   processing and/or display capabilities of the
        terminal, and
-       at least partially transmitting (25, 27) the image
        of the converted document page to the terminal,
characterized in that it includes steps consisting of
15   analyzing (22, 30) the document page to be displayed by
the terminal (11) so as to determine its characteristics,
wherein the image resulting from the conversion has a
resolution selected on the basis of the characteristics
of the document, so that the contents of the document
20   page can be read on the screen of the terminal.

2. Method according to claim 1, characterized in that the
determination (21) of the processing and display
capabilities of the terminal comprises a step of
25   determining a display axis corresponding to an axis of a
larger dimension of an image capable of being displayed
by the terminal (11), wherein the analysis of the
document page to be displayed comprises a step of
determining a reading direction of the document page, and
30   the conversion of the document page is followed by a step
of adapting the image resulting from the conversion,
consisting of making the reading direction of the

document page coincide with the display axis of the terminal.

3. Method according to claim 1 or 2, characterized in
5   that it also includes a step (26) of extracting, from the image resulting from the conversion, a band of which the dimensions correspond to the maximum dimensions of an image capable of being displayed by the terminal, and of which the orientation in the image corresponds to the
10   reading axis of the document page, which image band is transmitted to the terminal.

4. Method according to one of claims 1 to 3, characterized in that the resolution of the image
15   generated by the conversion of a document page is determined on the basis of the size of alphanumeric characters present in the document page and on the basis of the dimensions of the page.

20   5. Method according to one of claims 1 to 4, characterized in that it includes a preliminary step of selecting a portion of a document page to be displayed on the screen of the terminal (11) including steps consisting of converting the document page into a reduced
25   image having a format compatible with the processing and display capabilities of a terminal, and with a resolution selected so that the entire image can be displayed by the terminal, and transmitting the reduced image of the page to the terminal, wherein the user of the terminal then
30   has the possibility of selecting an area of the displayed image, which selected area of the document page is then converted to a resolution selected on the basis of the

characteristics of the document page, so that the contents of the document page can be read on the screen of the terminal.

5   6. Method according to one of claims 1 to 5, characterized in that if the document page is an image representing text, the analysis of the document page includes steps of recognizing the alphanumeric characters present in the document page and determining a main size

10 of the recognized alphanumeric characters, with the resolution of the image generated by the conversion of a document page being determined on the basis of the main size obtained.

15 7. Method according to one of claims 1 to 6, characterized in that the analysis of the document page consists of separating images and text contained on the page, wherein the conversion of the document page consists of generating, based on the text, images in an

20 adapted format, and converting the format of the images so that they can be viewed on the terminal.

8. System for adapting a document so as to make it viewable on a terminal having limited display

25 capabilities, which system includes an adaptation module (15) comprising means (13) for determining processing and display capabilities of a terminal (11), and means (17) for converting a page of a document into a graphic or semi-graphic format selected on the basis of the

30 processing and display capabilities of the terminal, which system also includes means for at least partially

transmitting the image of the converted document page to the terminal,

characterized in that the adaptation module (15) also includes means (18) for analyzing the document page to be

5   displayed by the terminal (11), so as to determine its characteristics, wherein the image resulting from the conversion has a resolution selected on the basis of the characteristics of the document, so that the contents of the document page can be read on the display screen of

10   the terminal.

9. System according to claim 8, characterized in that the means for determining the processing and display capabilities of the terminal include means for

15   determining a display axis corresponding to an axis of a larger dimension of an image capable of being displayed by the terminal, wherein the means for analyzing the document page to be displayed comprise means for determining a reading direction of the document page, the

20   adaptation module (15) includes means for adapting the image resulting from the conversion causing the reading direction of the document page to coincide with the display axis of the terminal.

25   10. System according to claim 8 or 9 characterized in that the adaptation module (15) further comprises means for cutting the image resulting from conversion into bands whose dimensions correspond to the maximum dimensions of an image capable of being displayed by the

30   terminal, and whose orientation in the image corresponds to the reading axis of the document page, and means for

successively transmitting toward the terminal the image bands and the image of the document page.

11. System according to claims 8 to 10, characterized in that the adaptation module is integrated in a web server (12) delivering documents to mobile terminals (11).

12. System according to one of claims 8 to 10, characterized in that the adaptation module (15) is integrated in a gateway (4) providing the interconnection between a mobile telephone network (2) to which the terminals are capable of being connected, and a data transmission network (5) providing access to documents capable of being viewed on the terminals.

13. System according to one of claims 8 to 10, characterized in that the adaptation module (15) is integrated in a specialized server (10) connected to a data transmission network (5) providing access to documents capable of being viewed on the terminals (11), wherein the terminals are mobile terminals capable of being connected to a mobile telephone network (2) interconnected with the data transmission network.